

Instrument Calibration Log

Site Name, Location: BMS, Humacao
 Instrument Model: VST 556 MPS

Personnel: RS HR
 Instrument Serial #: RE555
IOM100151

Day #: 1 Date: 12/1/16 Time: 9:30am

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
760.0	7.62	100.1%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1-31-18	4.00	
7.0 Standard	6GA544/1-31-18	7.03	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6GC013/3-31-17	1.413	

Turbidity La Motte 2620 WE

S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	-0.03 0.00 HR	
100 Standard	A5211/7-2017	100 99 HR	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7-31-20	240.0	

Day #: 2 Date: 12/2/16 Time: 8:51am

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
760.0 / 29.78 °C	7.62	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1-31-18	4.02	
7.0 Standard	6GA544/1-31-18	7.07	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6GC013/3-31-17	1.413	need new std; black dots floating in bottle

Turbidity La Motte 2020 WE

S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	-0.04	
100 Standard	A5211/7-2017	100	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7-31-20	236.1	

Day #: 3 Date: 12/5/16 Time: 9:00 am

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
760.0	7.48	100.0%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1-31-18	4.15	
7.0 Standard	6GA544/1-31-18	7.02	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6GC013/3-31-17	1.413	

Turbidity La Motte 2020 WE

S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI H2O	6.01	
100 Standard	A5211/7-2017	100 99 HR	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7-31-20	236.3	

Instrument Calibration Log

Site Name, Location: BMS Humacao
 Instrument Model: YSI 556 MPS

Personnel: HR
 Instrument Serial #: 17598
10M100151

Day #: 4 Date: 12/6/16 Time: 8:51

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>760.0</u>	<u>7.61</u>	<u>99.8%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>666264/7-31-18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>666833/5-31-18</u>	<u>7.00</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>66C013/3-31-17</u>	<u>1.413</u>	

Turbidity La Motte 2020 we

s/n 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>0.00</u>	
<u>100 Standard</u>	<u>A5211 / 7-2017</u>	<u>100</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>240.0</u>	

Day #: 5 Date: 12/7/16

Time: 8:54

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>760.0 / 29.76</u>	<u>7.58</u>	<u>99.9%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>666264/7-31-18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>666833/5-31-18</u>	<u>7.08</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>66C013/3-31-17</u>	<u>1.416</u>	

Turbidity La Motte 2020 we

s/n 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI water</u>	<u>-0.06</u>	
<u>100 Standard</u>	<u>A5211 / 7-2017</u>	<u>99</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>234.0</u>	

Day #: 6 Date: 12/8/16

Time: 8:54

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>760.0 / 29.42</u>	<u>7.60</u>	<u>99.6%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>666264/7-31-18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>666833/5-31-18</u>	<u>7.02</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>66C013/3-31-17</u>	<u>1.429</u>	

Turbidity La Motte 2020 we

s/n 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>-0.02</u>	
<u>100 Standard</u>	<u>A5211 / 7-2017</u>	<u>100</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>237.8</u>	

Instrument Calibration Log

Site Name, Location: BMS Humacao
 Instrument Model: YSI 556 MPS/2020 we Turbidimeter
 Personnel: H. Royer
 Instrument Serial #: 178052
 Day #: 7 Date: 12/9/16 Time: 9:20
10M100161

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>760.0</u>	<u>7.62</u>	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>66A048/1-31-18</u>	<u>4.00</u>	
7.0 Standard	<u>66E833/5-31-18</u>	<u>7.01</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>66C013/3-31-17</u>	<u>1.413</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>DI H₂O</u>	<u>-0.03</u>	
100 Standard	<u>A5211/7-2017</u>	<u>100</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>238.4</u>	

Day #: 8 Date: 12/12/16

Time: 9:08

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>760.0</u>	<u>7.87</u>	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>66G264/7-31-18</u>	<u>4.00</u>	
7.0 Standard	<u>66A544/1-31-18</u>	<u>7.11</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>66C013/3-31-17</u>	<u>1.403</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>DI water</u>	<u>-0.04</u>	
100 Standard	<u>A5211/7-2017</u>	<u>99.8</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>229.1</u>	

Day #: 9 Date: 12/13/16

Time: 9:04

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>760.0</u>	<u>7.97/22.3</u>	<u>760.0 mm Hg</u> <u>100.1</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>66G264/7-31-18</u>	<u>4.05</u>	
7.0 Standard	<u>66A544/1-31-18</u>	<u>6.87</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>66C013/3-31-17</u>	<u>1.4178</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>DI water</u>	<u>0.04</u>	
100 Standard	<u>A5211/7-2017</u>	<u>100.2</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>248.2</u>	

Instrument Calibration Log

Site Name, Location: BMS Humacao PR
 Instrument Model: YSI 556 MPS / 2020 we Turbidimeter

Personnel: H. Royer
 Instrument Serial #: 10M100151

Day #: 10 Date: 12/14/16 Time: 9:00

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>7.17</u>	<u>760</u>	<u>93.4%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GG264/7-31-18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>6GA544/1-31-18</u>	<u>7.00</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.384</u>	

Turbidity La Motte 2020 we s/n 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>0.03</u>	
<u>100 Standard</u>	<u>A5211/7-2017</u>	<u>99.9</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>240.1</u>	

Day #: 11 Date: 12/15/16 Time: 9:07

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>7.67 / 29.87 °C</u>	<u>760</u>	<u>101.5%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GG264/7-31-18</u>	<u>4.07</u>	
<u>7.0 Standard</u>	<u>6GA544/1-31-18</u>	<u>7.05</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.405</u>	

Turbidity La Motte 2020 we s/n 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>0.07</u>	
<u>100 Standard</u>	<u>A5211/7-2017</u>	<u>98.6</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>232.6</u>	

Day #: 12 Date: 12/16/16 Time: _____

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>7.67 / 27.61 °C</u>	<u>760.0</u>	<u>100%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GG264/7/31/18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>6GA544/1/31/18</u>	<u>7.00</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3/31/17</u>		

Turbidity La Motte 2020 we s/n 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>0.02</u>	
<u>Standard</u>	<u>A5211/7-2017</u>	<u>100.5</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7/31/20</u>		

Instrument Calibration Log

Site Name, Location: BMS Humacao PR
 Instrument Model: VST 556 MPS/2020 we Turbidity meter

Personnel: H. Royer
 Instrument Serial #: 10M100151

Day #: 13 Date: 12/19/19 Time: 9:04

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>7.83</u>	<u>760.0</u>	<u>100.0%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>GGG264/7-31-18</u>	<u>3.80</u>	
<u>7.0 Standard</u>	<u>GGG833/5-31-18</u>	<u>7.18</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>GGC013/3-31-17</u>	<u>1.427</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>0.18</u>	
<u>100 Standard</u>	<u>A5211/7-2017</u>	<u>95.3</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240</u>	<u>9099/7-31-20</u>	<u>242.0</u>	

Day #: 14 Date: 12/20/19 Time: 9:01

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>7.90 / 27.43</u>	<u>760</u>	<u>99.8%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>GGG264/7-31-18</u>	<u>4.06</u>	
<u>7.0 Standard</u>	<u>GGG833/5-31-18</u>	<u>6.88</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>GGC013/3-31-17</u>	<u>1.411</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI H₂O</u>	<u>0</u>	
<u>100 Standard</u>	<u>A5211/7-2017</u>	<u>100.4</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240</u>	<u>9099/7-31-20</u>	<u>246.7</u>	

Day #: 15 Date: 12/21/19 Time: 10:10

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>4.93</u> <u>27.05</u>	<u>760</u>	<u>99.9%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>GGG264/7-31-18</u>	<u>4.06</u>	
<u>7.0 Standard</u>	<u>GGG833/5-31-18</u>	<u>7.00</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>GGC013/3-31-17</u>	<u>1.413</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>DI water</u>	<u>0.01</u>	
<u>100 Standard</u>	<u>A5211/7-2017</u>	<u>99.3</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>240.0</u>	

Instrument Calibration Log

Site Name, Location: Bristol Myers Squibb
 Instrument Model: YSI 556 MPS

Personnel: N.R. Vega
 Instrument Serial #: 01M100151

Day #: 16 Date: Dec 22, 2016 Time: 933

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>7.79</u> / <u>27</u>		<u>760 mm Hg</u> <u>100.2%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>6GC264</u> / <u>7-31-18</u>	<u>4.0</u>	
7.0 Standard	<u>6GE833</u> / <u>5-31-18</u>	<u>7.0</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1413</u>	<u>6GC013</u> / <u>3-31-2017</u>	<u>1413</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>DI water</u>	<u>-0.32</u>	
100 Standard	<u>AS211</u> / <u>7-2017</u>	<u>100.8</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240</u>	<u>9099</u> / <u>7/31/2020</u>	<u>240</u>	

Day #: 17 Date: Dec 23, 2016 Time: 915

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>7.67</u> / <u>27</u>		<u>760 mm Hg</u> <u>100.0%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>6GC264</u> / <u>7-31-18</u>	<u>4.0</u>	
7.0 Standard	<u>6GE833</u> / <u>5-31-18</u>	<u>7.0</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1413</u>	<u>6GC013</u> / <u>3-31-17</u>	<u>1413</u>	

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>DI water</u>	<u>0.21</u>	
100 Standard	<u>AS211</u> / <u>7/2017</u>	<u>100.4</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240</u>	<u>9099</u>	<u>240</u>	

Day #: _____ Date: _____ Time: _____

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard			
7.0 Standard			

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments

Turbidity La Motte 2020 we S/N 3460 - 2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard			
Standard			

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments

Instrument Calibration Log

Site Name, Location: BMS Humacao
 Instrument Model: YSI 650 MDS

Personnel: H12
 Instrument Serial #: 09L100608

Day #: 4 Date: 12/6/16 Time: 9:24

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>767.4</u>	<u>7.69</u>	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GC264/7-31-18</u>	<u>4.09</u>	
<u>7.0 Standard</u>	<u>6GC833/5-31-18</u>	<u>6.98</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.414</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>2/28/17/C585316</u>	<u>0.0</u>	<u>0.0</u>
<u>12.0 Standard</u>	<u>5/31/17/C688679</u>		<u>126.0</u>

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>240.0</u>	

Day #: 5 Date: 12/7/16 Time: 9:20

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>767.1</u>	<u>7.74</u>	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GC264/7-31-18</u>	<u>3.94</u>	
<u>7.0 Standard</u>	<u>6GC833/5-31-18</u>	<u>7.16</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.407</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>C585316/2-28-17</u>	<u>0.0</u>	
<u>12.0 Standard</u>	<u>C688679/5-31-17</u>	<u>125.8</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240</u>	<u>9099/7-31-20</u>	<u>238.0</u>	

Day #: 6 Date: 12/8/16 Time: 9:19

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
<u>766.9</u>	<u>7.77</u>	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GC264/7-31-18</u>	<u>4.08</u>	
<u>7.0 Standard</u>	<u>6GC833/5-31-18</u>	<u>6.93</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.433</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>C585316/2-28-17</u>	<u>0.1</u>	
<u>12.0 Standard</u>	<u>C688679/5-31-17</u>	<u>126.4</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.6</u>	<u>9099/7-31-20</u>	<u>240.3</u>	

Instrument Calibration Log

Site Name, Location: AMS Humacao

Personnel: H2

Instrument Model: YSI 650 MDS

Instrument Serial #: 09L100608

Day #: 7 Date: 12/9/16 Time: 9:01

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>766.8</u>	<u>7.38</u>	

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>GGA048/1-31-18</u>	<u>3.99</u>	
7.0 Standard	<u>GGE833/5-31-18</u>	<u>7.00</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>16GNO88/8-31-17</u>	<u>1.321 1.434</u>	<u>standard replaced</u>

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>C585316/2-28-17</u>	<u>-1.0</u>	
125 Standard	<u>C688679/5-31-17</u>	<u>125.0</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>239.9</u>	

Day #: 8 Date: 12/12/16

Time: 9:26

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>7.71 / 29.66</u>	<u>—</u>	<u>768.3</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>GGG264/7-31-18</u>	<u>4.17</u>	
7.0 Standard	<u>GGA544/1-31-18</u>	<u>6.85</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.488</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>C585316/2-28-17</u>	<u>-2.2</u>	
Standard	<u>C688679/5-31-17</u>	<u>125.5</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>237.6</u>	

Day #: 9 Date: 12/13/16

Time: 9:29

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>7.72 / 28.29</u>	<u>—</u>	<u>767.3 99.1%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	<u>GGG264/7-31-18</u>	<u>3.80</u>	
7.0 Standard	<u>GGA544/1-31-18</u>	<u>7.13</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1.413</u>	<u>6GC013/3-31-17</u>	<u>1.391</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	<u>C585316/2-28-17</u>	<u>2.1</u>	
Standard	<u>C688679/5-31-17</u>	<u>122.6</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>240.8</u>	

Instrument Calibration Log

Site Name, Location: BMS Humacao
 Instrument Model: YSI 650 MDS

Personnel: H. Rayer
 Instrument Serial #: 09L100608

Day #: 10 Date: 12/14/16 Time: 9:55

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
7.81 7.81		767.0 mmHg 107.8%, 101.3%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GG264/7-31-18	4.00	
7.0 Standard	6GA544/1-31-18	6.92	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6GC013/3-31-17	1.411	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2-28-17	1.1	
126 Standard	C688679/5-31-17	123.0	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7-31-20	241.2	

Day #: 11 Date: 12/15/16 Time: 9:27

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
8.38 / 27.65°C		766.7 mmHg 106.2%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GG264/7-31-18	4.04	
7.0 Standard	6GA544/1-31-18	6.94	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413		1.419	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C688679/5-31-17	0.1	
126 Standard	C585316/2-28-17	127.3	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7-31-2020	238.0	

Day #: 12 Date: 12/16/16 Time: 9:09

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
7.97 / 28.83°C		767.7 103.1%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GG264/7-31-18	4.06	
7.0 Standard	6GA544/1-31-18	6.94	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6GC013/3-31-17	1.413	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2-28-17	1.4	
126 Standard	C688679/5-31-17	120.4	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7-31-20	235.7	

Instrument Calibration Log

Site Name, Location: BMS Hurnacao PR
 Instrument Model: YSI 650 MDS

Personnel: H. Royer
 Instrument Serial #: 09L100608

Day #: 13 Date: 12/19/16 Time: 9:26

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>7.165 / 27.39</u>		<u>769.0 mmHg 97.2%</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GG264/7-31-18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>6GG833/5-31-18</u>	<u>7.19</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1413</u>	<u>6GC013/3-31-17</u>	<u>1.423</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>C585316/2-28-17</u>	<u>0.0</u>	
<u>126 Standard</u>	<u>C688679/5-31-17</u>	<u>122.9</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>244.8</u>	

Day #: 14 Date: 12/20/16 Time: 9:23

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>8.15 / 27.09</u>		<u>766.9 102.6</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GG264/7-31-18</u>	<u>4.01</u>	
<u>7.0 Standard</u>	<u>6GG833/5-31-18</u>	<u>6.89</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1413</u>	<u>6GC013/3-31-17</u>	<u>1.391</u>	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>C585316/2-28-17</u>	<u>0.0</u>	
<u>126 Standard</u>	<u>C688679/5-31-17</u>	<u>124.8</u>	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>	<u>236.8</u>	

Day #: 15 Date: 12/21/16 Time: 10:15

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l	Comments
<u>8.10 / 26.64</u>		<u>765.3 mmHg 100.7</u>

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
<u>4.0 Standard</u>	<u>6GG264/7-31-18</u>	<u>4.00</u>	
<u>7.0 Standard</u>	<u>6GA544/1-31-18</u>	<u>6.99</u>	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
<u>1413</u>	<u>6GC013/3-31-17</u>		<u>1.413</u>

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
<u>0 Standard</u>	<u>C585316/2-28-17</u>		<u>-4.3</u>
<u>126 Standard</u>	<u>C688679/5-31-17</u>		<u>125.5</u>

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
<u>240.0</u>	<u>9099/7-31-20</u>		

Instrument Calibration Log

Site Name, Location: BMS
 Instrument Model: YSI 650 MDS

Personnel: R. Stuart
 Instrument Serial #: 09L1DD608

Day #: 16 Date: 12/22/16 Time: 1615

DO

DO Reading (mg/L) / Temp (°C)		Stabilization Range (+/- 0.02) mg/l	Comments
8.08 mg/L	26.73°C		766.2 mm Hg 100.8%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	GGG264/7/31/18		4.00
7.0 Standard	GGG544/1/31/18		7.01

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	GGC013/3/31/17		1413

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2/28/17		1.8
126 Standard	C688679/5/31/17		126.0

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7/31/20		240.0

Day #: 17 Date: 12/23/16 Time: 99 92.5

DO

DO Reading (mg/L) / Temp (°C)		Stabilization Range (+/- 0.02) mg/l	Comments
7.64	27		766.9 mm Hg 100.9

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	GGG544/1.31.18	4.0	
7.0 Standard	GGC264/7.31.18	7.0	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	GGC013/3.31.17	1413	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2/28/17	0.0	
126 Standard	C688679/5/31/17	126.0	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	9099/7.31.2020	240	

Day #: _____ Date: _____ Time: _____

DO

DO Reading (mg/L) / Temp (°C)		Stabilization Range (+/- 0.02) mg/l	Comments

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard			
7.0 Standard			

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard			
Standard			

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments